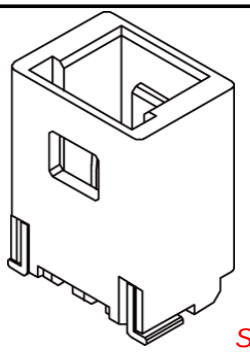
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION

Part Number: 5013310207
Status: Active
Overview: picoclasp
Description: 1.00mm (.039") Pitch Pico-Clasp™ Wire-to-Board Header, Surface Mount, Single Row, Vertical, with Friction Lock, 2 Circuits, with Cover Tape, Lead-free



Series image - Reference only

Documents:

3D Model
Drawing (PDF)
Product Specification PS-501331-001 (PDF)
RoHS Certificate of Compliance (PDF)

General

Product Family	PCB Headers
Series	501331
Application	Wire-to-Board
Overview	picoclasp
Product Name	Pico-Clasp™

Physical

Breakaway	No
Circuits (Loaded)	2
Color - Resin	Natural
Durability (mating cycles max)	30
Glow-Wire Compliant	No
Lock to Mating Part	Yes
Material - Metal	Phosphor Bronze
Material - Plating Mating	Tin
Material - Plating Termination	Tin
Material - Resin	Nylon
Number of Rows	1
Orientation	Vertical
PCB Locator	No
PCB Retention	Yes
Packaging Type	Embossed Tape on Reel
Pitch - Mating Interface (in)	0.039 In
Pitch - Mating Interface (mm)	1.00 mm
Polarized to Mating Part	Yes
Polarized to PCB	No
Robotic Placement	Vacuum Pick-Up Tape
Stackable	No
Temperature Range - Operating	-40°C to +85°C
Termination Interface: Style	Surface Mount

Electrical

Current - Maximum per Contact	1A
Voltage - Maximum	50V AC (RMS)/DC

Material Info

Reference - Drawing Numbers

Packaging Specification	SPK-501331-001
Product Specification	PS-501331-001, RPS-501331-001, RPS-501331-002, RPS-501331-003, RPS-501331-006, RPS-501331-007
Sales Drawing	SD-501331-001, SD-501331-003

EU RoHS
ELV and RoHS Compliant
REACH SVHC
Not Reviewed
Halogen-Free Status
Not Reviewed

China RoHS

Need more information on product environmental compliance?

Email productcompliance@molex.com
For a multiple part number RoHS Certificate of Compliance, click here

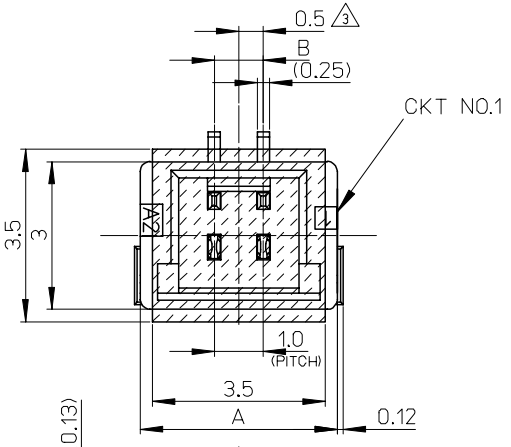
Please visit the Contact Us section for any non-product compliance questions.

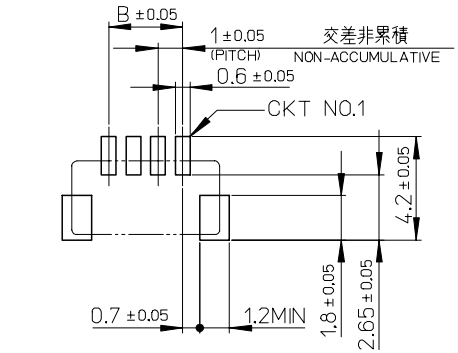
Search Parts in this Series
501331Series

Mates With
501330 Pico-Clasp™ Wire-to-Board Female Housing

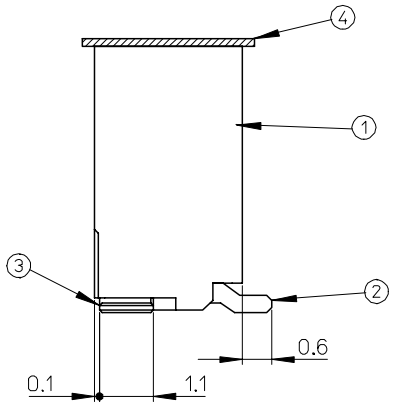
This document was generated on 05/26/2010

PLEASE CHECK WWW.MOLEX.COM FOR LATEST PART INFORMATION





参考パターンレイアウト
RECCOMENDED PATTERN DIM. (REF)
SCALE:5-1



番号 NO.	部品 PART	材質 MATERIAL
①	ウエハー WAFER	46ナイロン UL94V-0 色：自然色 46 NYLON , UL94V-0 , COLOR:NATURAL
②	ソルダーピン SOLDER PIN	りん青銅 PHOSPHOR BRONZE 錫メッキ：1.0μmMIN. TIN ニッケルメッキ（下地）：1.0μmMIN. NICKEL(UNDER PLATING)
③	ネイル NAIL	りん青銅 PHOSPHOR BRONZE 錫メッキ：1.0μmMIN. TIN ニッケルメッキ（下地）：1.0μmMIN. NICKEL(UNDER PLATING)
④	カバーテープ COVER TAPE	ポリイミドテープ POLYIMIDE TAPE

NOTES.

1. 嵌合相手：501330-****
   MATE WITH : 501330-****
2. ソルダーピン及びネイル平坦度は、0.1MAX.
   SOLDER PIN AND NAIL COPLANARITY TO BE 0.1MAX.
3. △3 極数＝偶数に適用
   APPLY FOR CKT SIZE=EVEN
4. 6~15極については、SD-501331-002を参照下さい。
   REFER TO SD-501331-002 ABOUT 6-15CKT.
5. ELV及びRoHS適合品.
   ELV AND RoHS COMPLIANT.

※対応可能な極数は、別途お問い合わせ下さい.

B	A	MATERIAL NO.	CKT.	MODEL NO.
4.0	7.0	501331-0509	5	501331-**09
3.0	6.0	501331-0409	4	
2.0	5.0	501331-0309	3	
1.0	4.0	501331-0209	2	

REVISED
EC NO: J2007-2540 2007/03/13
DRWN:YAOYAGI 2007/03/13
CHKD:YMAEDA 2007/03/16
APPR:NUKITA
DESCRIPTION
REV D

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±3 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: 10:1
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: NYOSHIDA DATE: 2004/07/30
CHECKED BY: MYAGI DATE: 2004/07/30
APPROVED BY: MIYAZAWA DATE: 2004/07/30
MATERIAL NO.: SEE TABLE

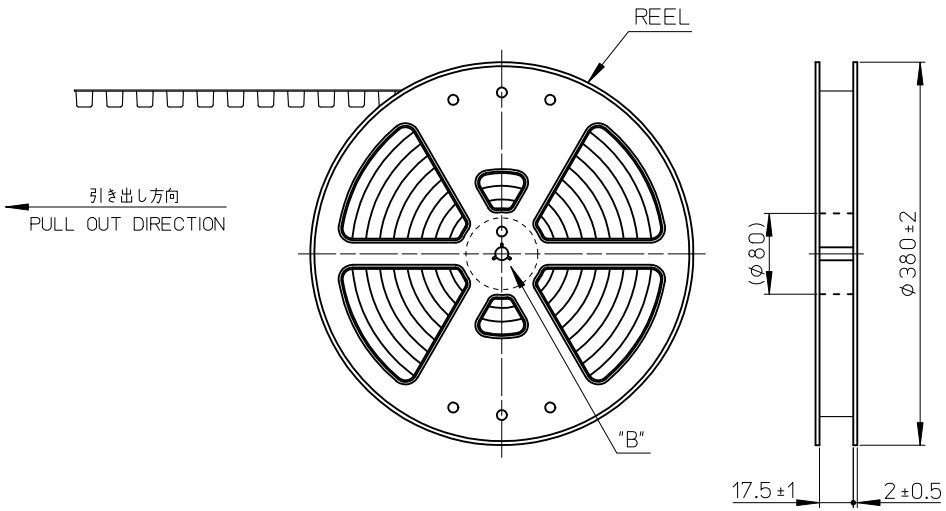
TITLE: 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) 2-5CKT

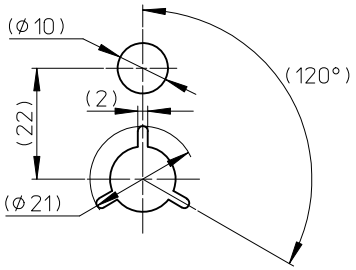
molex MOLEX INCORPORATED

DOCUMENT NO.: SD-501331-001
SHEET NO.: 1 OF 1

SIZE A3

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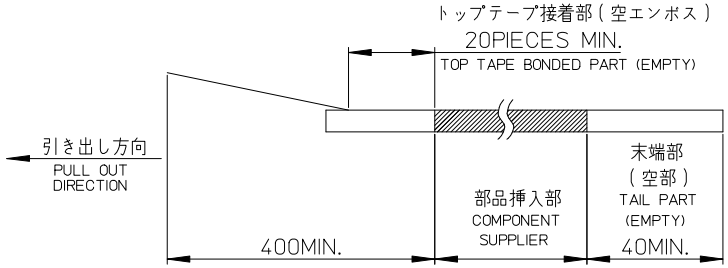




DETAIL "B"

NOTES

1. 製品詳細寸法は製品単体図面を参照して下さい.
   FOR DETAIL OF CONNECTOR DIMENSIONS,PLEASE SEE THE DRAWING OF CONNECTOR ITSELF(NOT PACKAGED).
2. 梱包数量：1100個/リール
   NUMBER OF CONNECTORS : 1100PIECES/REEL
3. リードテープ長さ
   LEAD TAPE LENGTH



4. 材料
   MATERIAL
   キャリアテープ：ポリプロピレン
   CARRIER TAPE : POLYPROPYLENE
   トップテープ：PET、PE、REF
   TOP TAPE
   リール：ポリスチレン<リサイクル材を含む>
   REEL : POLYSTYRENE <RECYCLE MATERIAL CONTAINED>
5. ELV及びRoHS適合品.
   ELV AND RoHS COMPLIANT.
6. 本製品は乾燥剤入り、ハイバリア梱包仕様である.
   (501331-0607~1507以外)
   THIS PRODUCT IS HIGH BARRIER PACKAGE WITH DESICCANT.
   (BESIDES 501331-0607~1507)

REVISED	EC NO:	DESCRIPTION	REV
DRWN:NITO	J2010-0951		C
CH'KD:KASAKAWA	2010/01/05		
APPR:NUKITA	2010/01/06		

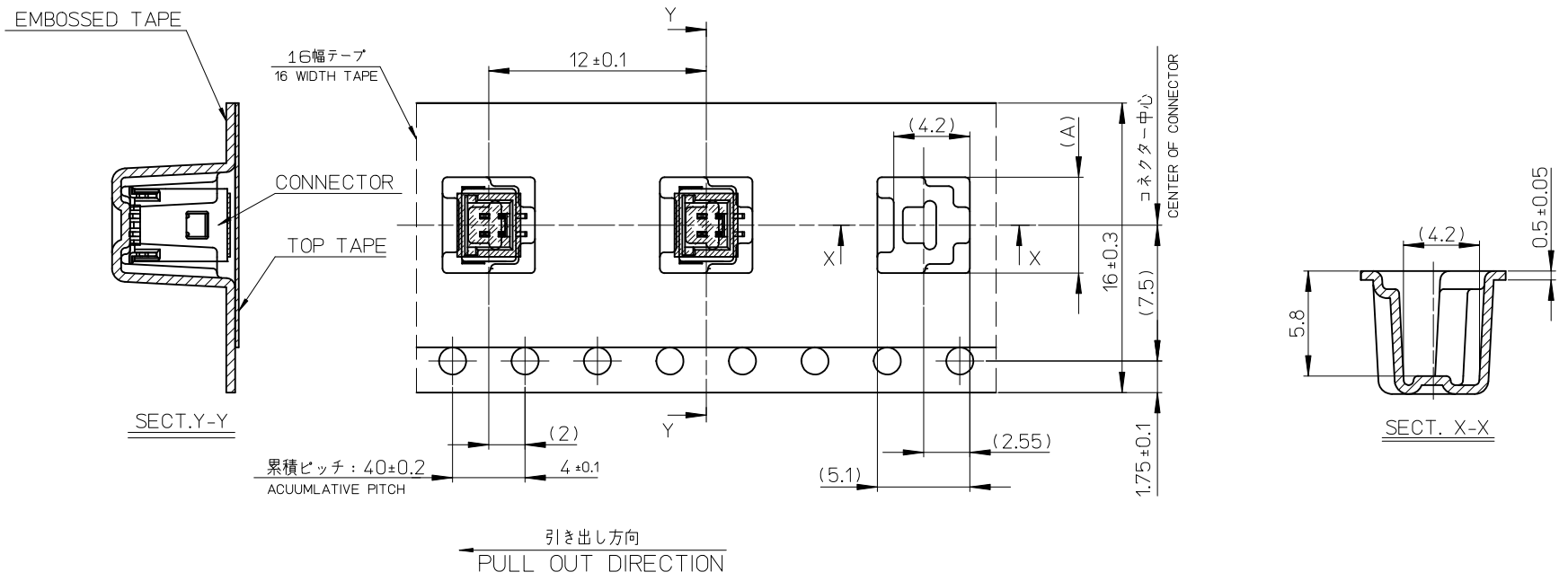
GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE	MM ONLY
SCALE	---
DESIGN UNITS	METRIC
	THIRD ANGLE PROJECTION
DRAWN BY	NYOSHIDA
DATE	2005/01/18
CHECKED BY	MYAGI
DATE	2005/01/18
APPROVED BY	ANODA
DATE	2005/01/18
MATERIAL NO.	SEE SHEET 2
TITLE	1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) EMBSTP PKG
	MOLEX INCORPORATED
DOCUMENT NO.	SD-501331-003
SHEET NO.	1 OF 2
SIZE	A3

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(A)	CONNECTOR	MATERIAL NO.	CKT.	MODEL NO.
8.3	501331-0509	501331-0507	5	501331-***7
7.3	501331-0409	501331-0407	4	
6.3	501331-0309	501331-0307	3	
5.3	501331-0209	501331-0207	2	

REVISED
EC NO: J2010-0951
DRWN:NITO 2009/12/16
CH'KD:KASAKAWA 2010/01/05
APPR:NUKITA 2010/01/06
DESCRIPTION
REV
C

GENERAL TOLERANCES (UNLESS SPECIFIED)

10 UNDER	±0.2
10 OVER 30 UNDER	±0.25
30 OVER	±0.3
ANGULAR	±1 °

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION STYLE: MM ONLY
SCALE: ---
DESIGN UNITS: METRIC
THIRD ANGLE PROJECTION

DRAWN BY: NYOSHIDA DATE: 2005/01/18
CHECKED BY: MYAGI DATE: 2005/01/18
APPROVED BY: ANODA DATE: 2005/01/18

TITLE: 1.0 WIRE TO BOARD CONN. WAFER ASS'Y (1-ROW S/T) EMBSTP PKG

MOLEX INCORPORATED

MATERIAL NO.: SEE TABLE
DOCUMENT NO.: SD-501331-003
SHEET NO.: 2 OF 2

SIZE A3

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